

PHILIPS

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Color TV

Quick Use and Hookup Guide

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IMPORTANT

NOTE: This owner's manual is used with several different television models. Not all features (and drawings) discussed in this manual will necessarily match those found with your television set. This is normal and does not require that you contact your dealer or request service.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THIS UNIT TO RAIN OR EXCESSIVE MOISTURE.

BASIC TV AND REMOTE OPERATION

TELEVISION

Your television has a set of controls located on the front of the cabinet for use when the remote control is not needed.

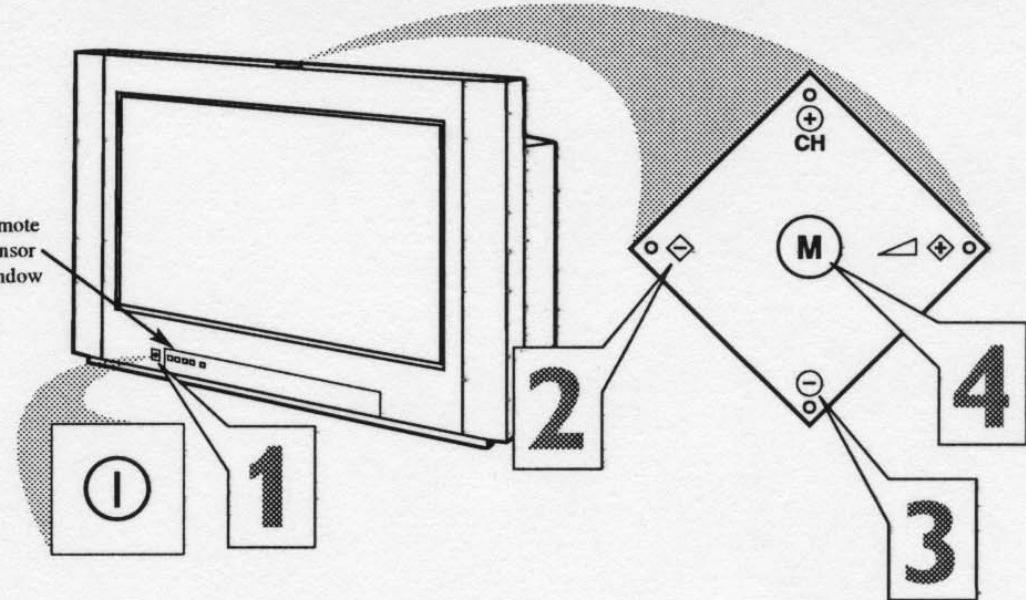
- 1 Press the POWER button to turn the TV ON.
- 2 Press the Volume $\Delta +$ button to increase the sound level or the Volume $\Delta -$ button to lower the sound level. Pressing both buttons at the same time will display the onscreen menu. After you are in the menu, use these buttons to make adjustments or selections.
- 3 Press the CH - (down) or + (up) button to select TV channels. Use these buttons to make adjustments or selections in the onscreen menu.
- 4 Press the M button to display the onscreen menu. When displayed, the onscreen menu can be navigated using the Volume $\Delta +$ or - and Channel (CH) + or - buttons.

There is also a set of Audio and Video Input jacks located on the side of the television cabinet. Refer to the Side AV3 Input section on page 4 of this *Quick Use and Hookup Guide*.

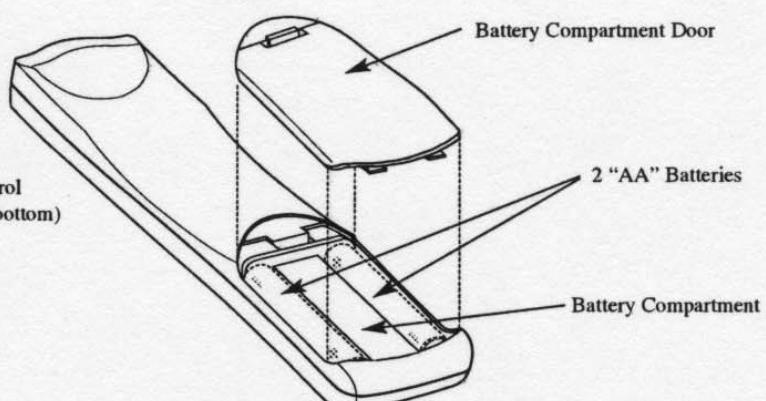
REMOTE CONTROL BATTERIES

To load the supplied batteries into the remote:

- 1 Remove the battery compartment door on the back of the remote.
- 2 Place the batteries (2-AA) in the remote. Be sure the (+) and (-) ends of the batteries line up correctly (the inside of the case is marked).
- 3 Reattach the battery compartment door.



Be sure to point the remote at the Remote Sensor window on the front of the television when using the remote control to operate the television.



REMOTE CONTROL BUTTONS

Sleep Button - Press to set the TV to automatically turn itself OFF at a given amount of time.

TV/VCR/ACC Mode Switch - Slide to the TV position to control TV functions, to the VCR position to control VCR functions, or to the ACC position to control the functions of accessory devices (a cable converter, DBS, or DVD, for example).

AV Button - Press repeatedly to select the different signal sources connected to the A/V inputs on the TV.

Active Control Button - Press repeatedly to toggle the Active Control to ON or OFF. When ON, the sharpness and noise reduction will be continuously monitored.

Rec(ord)/SAP Button - Press to start the recording of a videotape.

Surf Button - Press to select previously viewed channels. You can place up to 10 channels in memory. Then by pressing the SURF button you can quickly view the selected channels. (See the "Using the Channel Surf Control" section in your *Directions for Use* manual to see how to select a series of channels using the Surf button.)

Number Buttons - Press the number buttons to select TV channels. When selecting single-digit channels, press the number of the desired channel. The TV will pause for a few seconds and then tune to the selected channel. (Note: You can press 0, then the number also.) For channels 100 and above, first press 1 then the next two numbers of the desired channel.

Sound Button - Press to select an AutoSound™ control. Choose from three factory-set controls (VOICE, MUSIC, and THEATRE) and a PERSONAL to tailor the TV sound to enhance the particular type of program you are watching.

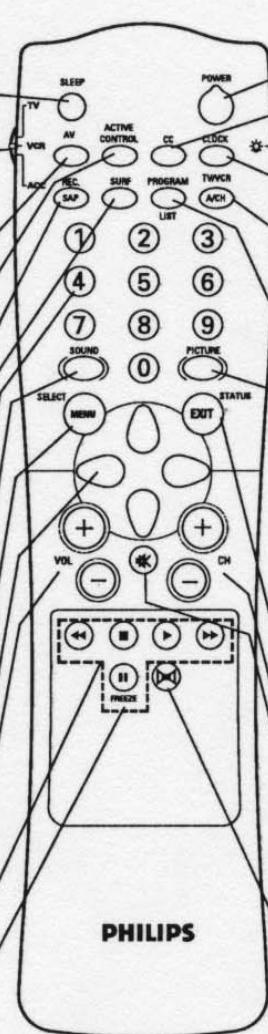
Menu (Select) Button - Press for the onscreen menu to appear. Pressing the menu button after menu selections are made will eliminate the menu from the display.

Cursor Buttons (Left, Right, Up, Down) - Press these buttons to highlight, select, and adjust items on the TV's onscreen menu.

Volume (+) or (-) Buttons - Press to adjust the TV sound level.

VCR \blacktriangleleft , \blacksquare , \blacktriangleright , $\blacktriangleright\blacktriangleright$, \mathbb{II} Buttons - Press to rewind, stop, play, fastforward, or pause/freeze a videotape playback.

FREEZE Button - Press to freeze the picture on the TV screen. Press a second time to resume normal viewing. The signal being received during the time the picture is frozen will be lost. When the picture is unfrozen, the video will return to real time broadcast.



Power Button - Press to turn the TV ON and OFF.
CC Button - Press to select Closed Captioning options within the menu. (See the *Directions for Use* manual for details.)
Light Button - Press to back-light the buttons on the remote control.
Clock Button - Press the CLOCK button to access the onscreen Clock menu.
TV/VCR (A/CH) Button - TV/VCR - Press while in the VCR mode (the VCR indicator on the front of the VCR will light) to view the playback of a tape. Press again to place in the TV position (the VCR indicator light will go off) to view one program while recording another program. A/CH - Press to toggle between the currently viewed channel and the previously viewed channel.
Program List Button - Press to display a list of channel numbers and their names (see the "Tuner," "Auto Program," "Channel Edit," and "Name" sections on pages 3 and 4 for proper setup). Each channel will appear as a selectable menu item. The current channel will be highlighted by default. Only five channels will be shown onscreen at one time; press the CURSOR UP or CURSOR DOWN button to scroll the list and highlight a channel. Press the CURSOR RIGHT button to tune to the highlighted channel. Channels marked "Skipped" in the "Channel Edit" control will not appear in the list. Each channel that is being blocked by AutoLock™ will appear with a padlock icon to indicate that the channel is not viewable.

Picture Button - Press to select an AutoPicture™ control. Choose from four factory-set controls (MOVIES, SPORTS, WEAK SIGNAL, and MULTI MEDIA) and a PERSONAL control that you set according to your own preferences through the onscreen PICTURE menu. The four factory-set controls will tailor the TV picture so as to enhance the particular type of program you are watching, or to improve the picture of a program that has a weak signal.

Status/Exit Button - Press to see the current channel number on the TV screen. Also press to clear the TV screen after control adjustments.

Channel (+) or (-) Buttons - Press to change the tuned channel.

Mute Button - Press to turn the TV sound OFF. Press again to return the sound to its previous level.

Incredible Surround \otimes - Press to set various factory Surround Sound listening modes.



HOOKING UP THE TELEVISION

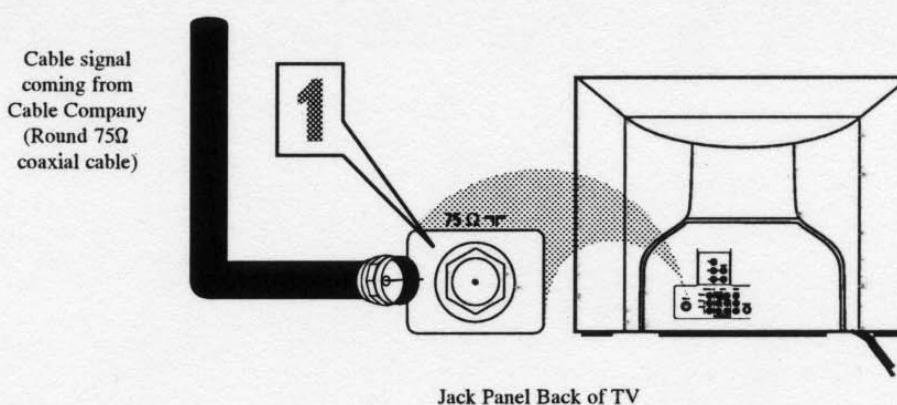
CABLE/CABLE Box TV

Your Cable TV input into your home may be a single (75 ohm) cable or use a cable box decoder. In either case the connection is very simple. Follow the steps below to connect your cable signal to your new television.

Direct Cable Connections:

This connection will supply Stereo sound to the TV.

- Connect the open end of the round cable that supplies the Cable Company signal to the 75Ω input on the TV. Screw it down finger tight.



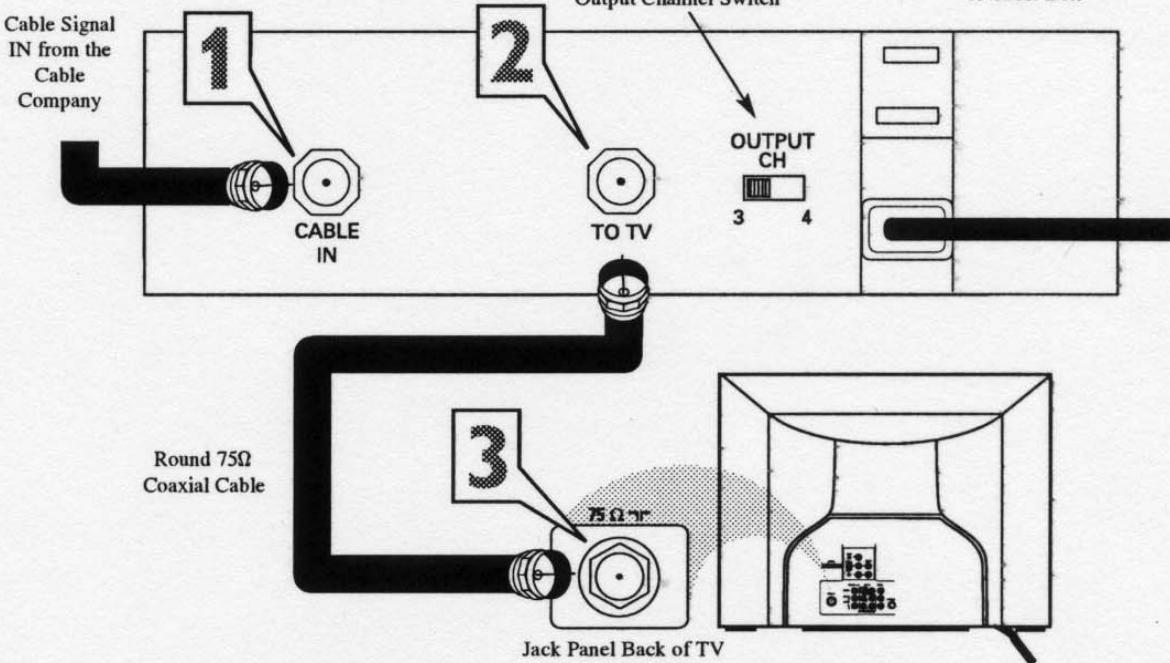
Cable Box (w/RF In/Outputs):

This connection will NOT supply Stereo sound to the TV. The sound from the cable box will be mono.

- 1** Connect the open end of the round cable that supplies the Cable Company signal to the cable signal IN(put) plug on the back of the Cable Box.
 - 2** Using a separate round coaxial cable, connect one end to the OUT(put) (TO TV) plug on the back of the Cable Box.
 - 3** Connect the other end of the round coaxial cable to the 75Ω input on the back of the television. Screw it down finger tight.

NOTE: Be sure to set the OUTPUT CHANNEL SWITCH on the back of the cable box to CH 3 or 4, then tune the cable box on the TV to the corresponding channel. Once tuned, change channels at the cable box, not the television.

Cable Box with RF Inputs and Outputs Connection:



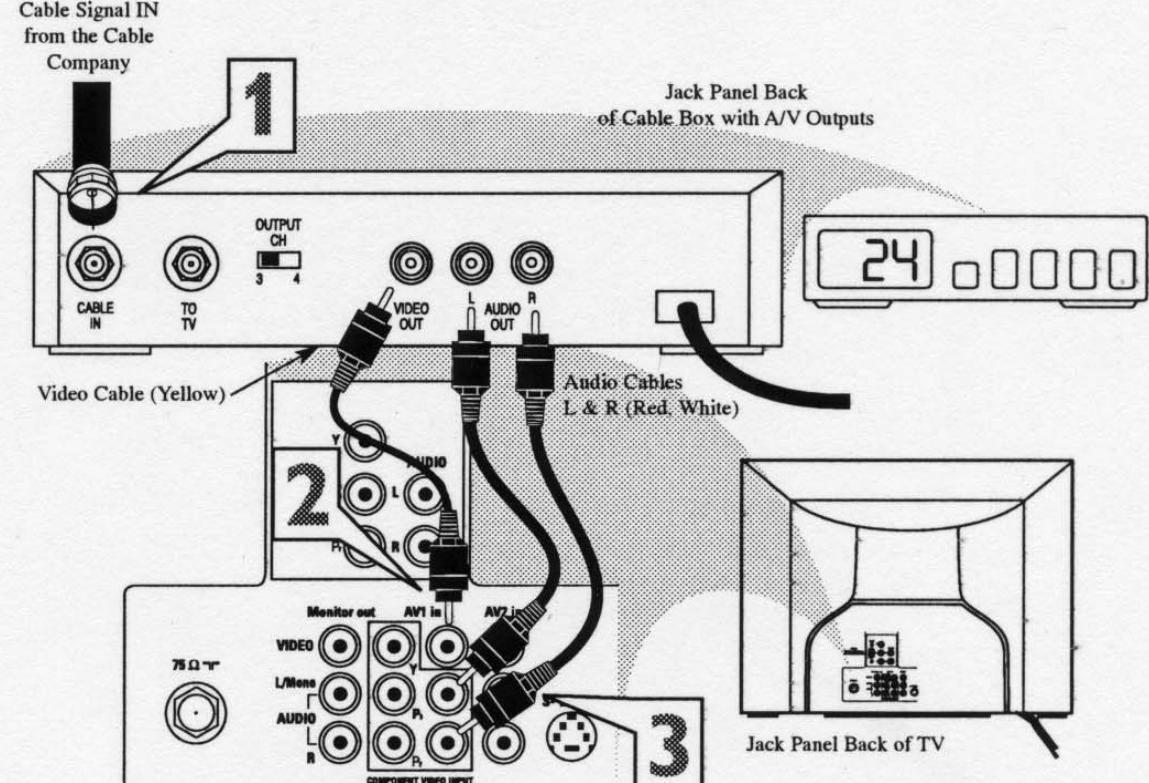
Cable Box (w/ Audio/Video Outputs):

This connection will supply Stereo sound to the TV.

- 1** Connect the open end of the round cable that supplies the Cable Company signal to the cable signal IN(put) plug on the back of the Cable Box.
 - 2** Using an RCA type Video Cable, connect one end of the cable to the Video (or ANT, your cable box may be labeled differently) Out jack on the cable box and the other end to the AV1 Video Input on the TV.
 - 3** Using an RCA type Audio Left and Right Cable, connect one end to the left and right Audio Out L & R jacks on the cable box. Connect the other end to the AV1 Audio L & R Input jacks on the TV.

NOTE: Use the AV button on the TV remote control to tune to the AV1 channel for the cable box signal. Once tuned, change channels at the cable box, not the television. Pressing the AV button repeatedly will scroll all the AV Input channels, including the presently tuned channel.

Cable Box with Audio/Video Outputs Connection:



ANTENNA TV

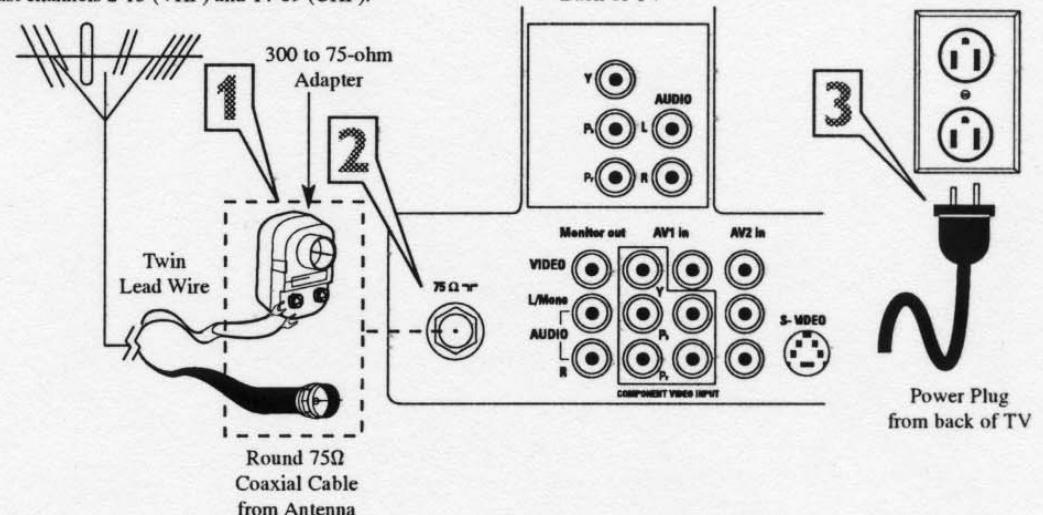
A combination antenna receives normal broadcast channels (VHF 2-13 and UHF 14-69). Your connection is easy because there is only one 75Ω (ohm) antenna plug on the back of your TV, and that's where the antenna goes.

- 1** **If your antenna has a round cable** (75 ohm) on the end, then you're ready to connect it to the TV.
 - If your antenna has flat, twin-lead wire** (300 ohm), you first need to attach the antenna wires to the screws on a 300- to 75-ohm adapter.
 - 2 Push the round end** of the adapter (or antenna) onto the 75Ω (ohm) plug on the back of the TV. If the round end of the antenna wire is threaded, screw it down finger tight.
 - 3 Plug the television in to the wall outlet** and turn the TV on. Refer to the TUNER and AUTOPROGRAM features within the *Directions for Use*. TUNER should be set to the ANTENNA option. AUTOPROGRAM can be set to program all the available channels on your antenna signal into the television's memory.

Antenna Connection:

Outdoor or Indoor Antenna (Combination VHF/UHF)

(Combination VHF/UHF)
The combination antenna receives normal broadcast channels 2-13 (VHF) and 14-69 (UHF).



HOOKING UP THE TELEVISION

AV1 & AV2 INPUTS

The TV's audio/video input jacks are for direct picture and sound connections between the TV and a VCR (or similar device) that has audio/video output jacks. Both the AV1 and AV2 Input Jack connections are shown to the right, but either one can be connected alone. Follow the easy steps below to connect your accessory device to the AV1 and AV2 in Jacks located on the back of the TV.

- 1** Connect the VIDEO (yellow) cable to the VIDEO AV1 in (or AV2 in) jack on the back of the TV.
- 2** Connect the AUDIO (red and white) cables to the AUDIO (left and right) AV1 in (or AV2 in) jacks on the rear of the TV.
- 3** Connect the VIDEO (yellow) cable to the VIDEO OUT jack on the back of the VCR (either one or two) or accessory device being used.
- 4** Connect the AUDIO (red and white) cables to the AUDIO (left and right) OUT jacks on the rear of the VCR (either one or two) or accessory device being used.
- 5** Turn the VCR (either one or two) or accessory device and the TV ON.
- 6** Press the AV button on the remote control to select the AV1 channel for accessory device number one, or the AV2 channel for accessory device number two. AV1 or AV2 will appear in the upper left corner on the TV screen depending on the channel chosen.
- 7** With either of the VCRs (or accessory devices) ON and a prerecorded tape (CD, DVD, etc.) inserted, press the PLAY button to view the tape on the television.

S-VIDEO INPUTS

The S(uper)-Video connection on the rear of the TV can provide you with better picture detail and clarity for the playback of accessory sources than the normal antenna picture connections.

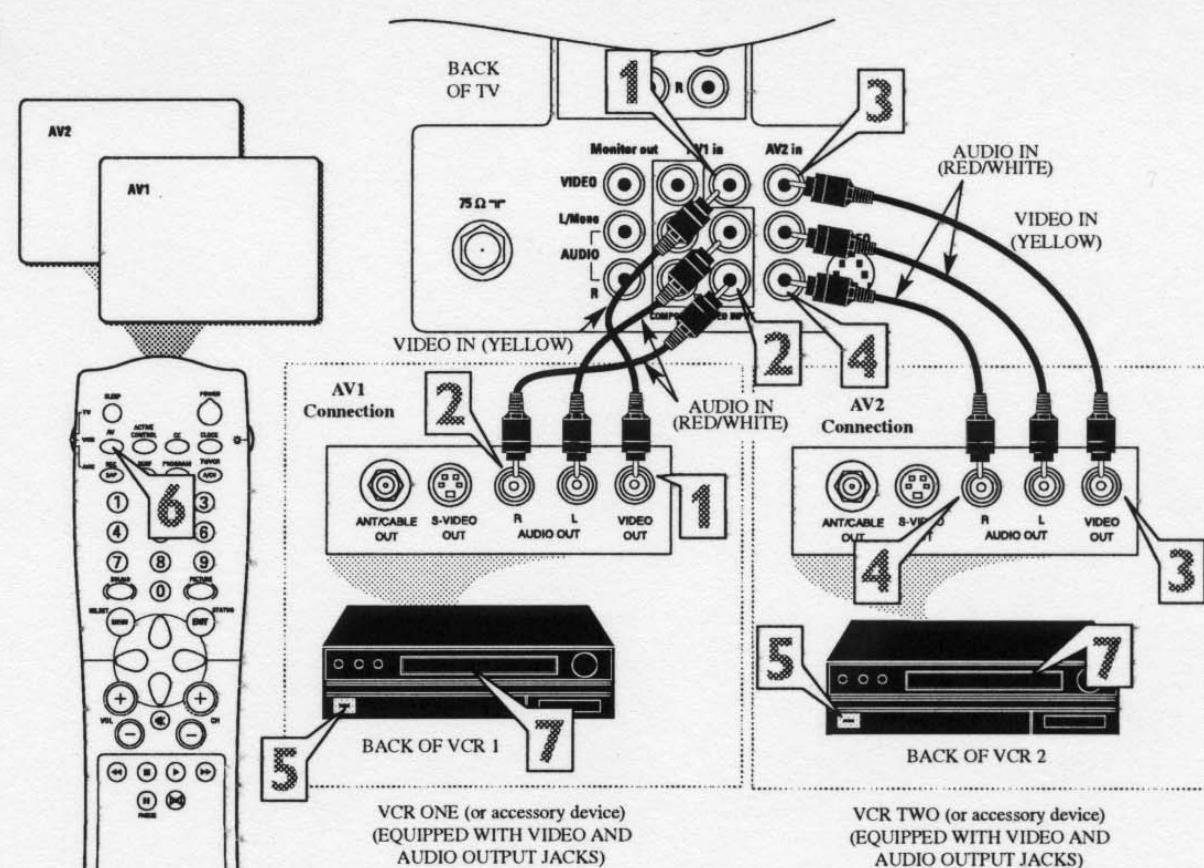
NOTE: The accessory device must have an S-VIDEO OUT(put) jack in order for you to complete the connection on this page.

- 1** Connect one end of the S-VIDEO CABLE to the S-VIDEO jack on the back of the TV. Then connect one end the AUDIO (red and white) CABLES to the AV2 in AUDIO L and R(left and right) jacks on the rear of the TV.
- 2** Connect other end of the S-VIDEO CABLE to the S-VIDEO OUT jack on the back of the VCR. Then connect the other ends of the AUDIO (red and white) CABLES to the AUDIO (left and right) OUT jacks on the rear of the VCR.
- 3** Turn the VCR and the TV ON.
- 4** Press the AV button on the remote to scroll the channels until SVHS appears in the upper left corner of the TV screen.
- 5** Slide the TV/VCR/ACC switch to the VCR position.
- 6** Now you're ready to place a prerecorded video tape in the VCR and press the PLAY ▶ button.

COMPONENT VIDEO INPUTS

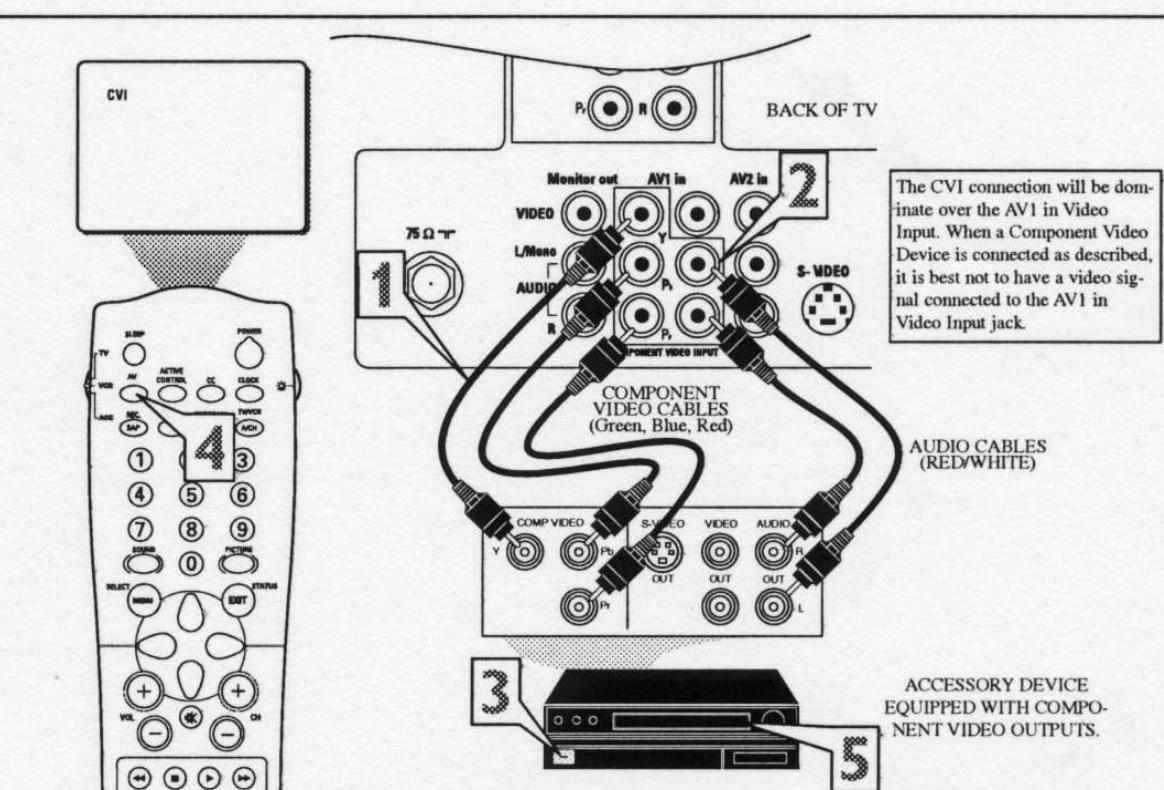
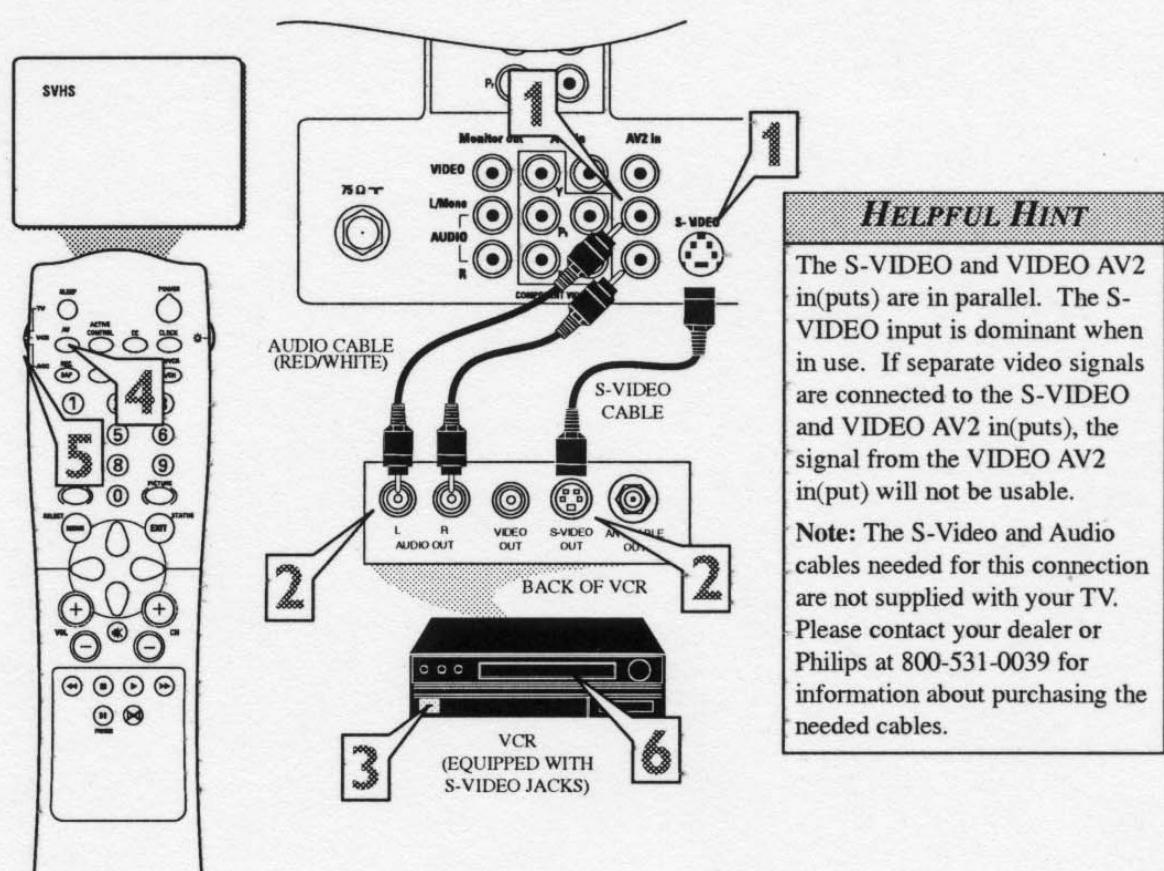
Component Video inputs provide for the highest possible color and picture resolution in the playback of digital signal source material, such as with DVD players. The color difference signals (P_b , P_r) and the luminance (Y) signal are connected and received separately, which allows for improved color bandwidth information (not possible when using composite video or S-Video connections).

- 1** Connect the Component (Y, P_b , P_r) Video OUT jacks from the DVD player (or similar device) to the (Y, P_b , P_r) in(put) jacks on the TV. When using the Component Video Inputs, it is best not to connect a signal to the AV1 in Video Jack.
- 2** Connect the red and white AUDIO CABLES to the Audio (left and right) output jacks on the rear of the accessory device to the Audio (L and R) AV1 in Input Jacks on the TV.
- 3** Turn the TV and the DVD (or digital accessory device) ON.
- 4** Press the AV button to scroll the available channels until CVI appears in the upper left corner of the TV screen.
- 5** Insert a DVD disc into the DVD player and press the PLAY ▶ button on the DVD Player.



✓ CHECK IT OUT

Note: The Audio/Video cables needed for this connection are not supplied with your TV. Please contact your dealer or Philips at 800-531-0039 for information about purchasing the needed cables.



HOOKING UP THE TELEVISION

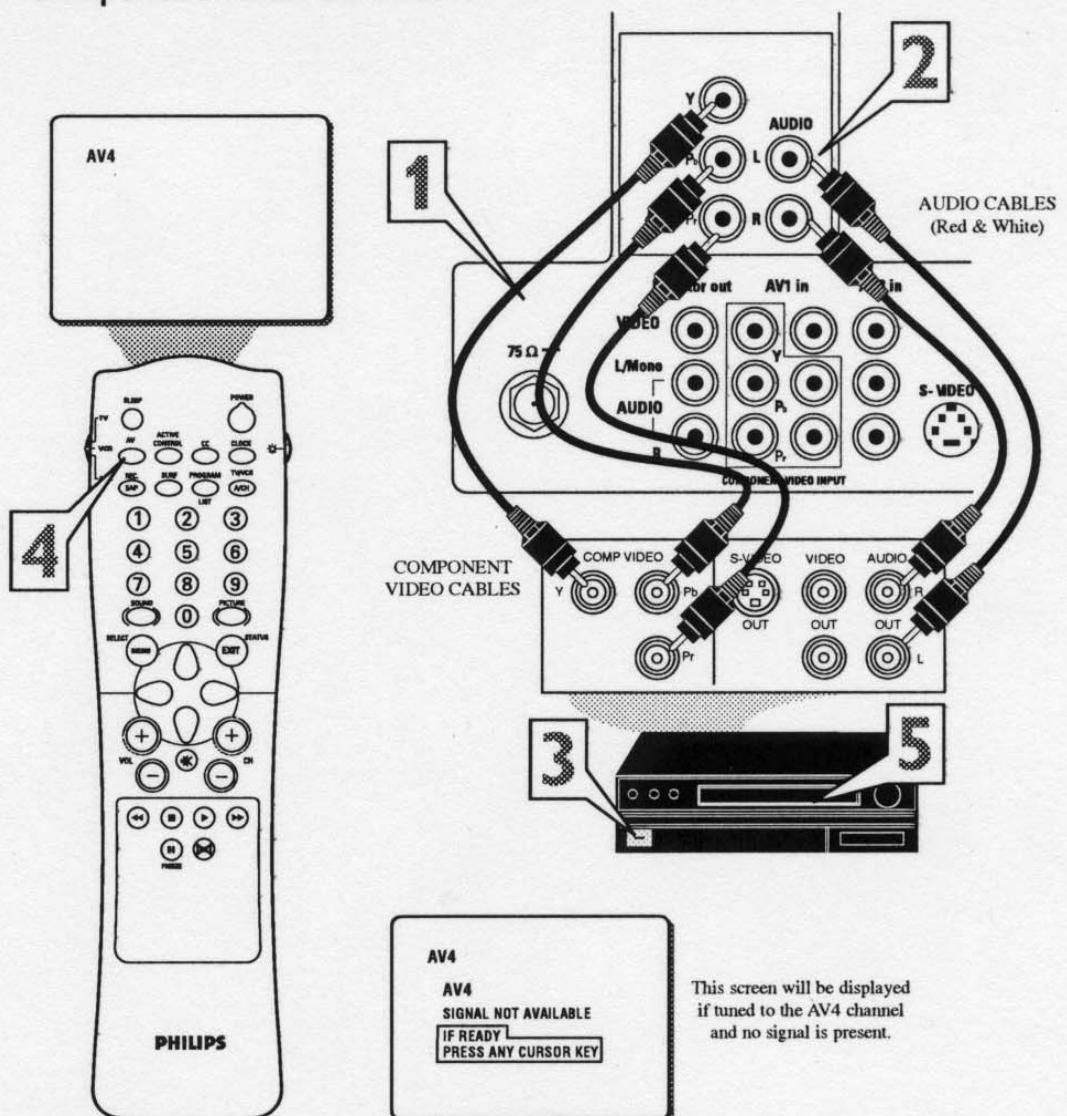
AV 4 INPUTS

The AV4 Input Jacks provide Component Video Inputs at 1080i, for accessories like HD Receiver and Digital DVD Players.

Connecting a Digital device using the COMPONENT VIDEO Inputs:

- 1 Connect the Component (Y, Pb, Pr) Video OUT jacks from the DVD player (or similar device) to the (Y, Pb, Pr) AV4 in(put) jacks on the TV.
- 2 Connect the red and white AUDIO CABLES to the Audio (left and right) output jacks on the rear of the accessory device to the Audio (L and R) AV4 in(put) jacks on the TV.
- 3 Turn the TV and the DVD (or digital accessory device) ON.
- 4 Press the AV button on the remote to tune to the AV4 channel.
- 5 Press the PLAY button on the DVD (or digital accessory device) to view the program on the television.

AV4 Component Video Connection



MONITOR OUTPUTS

The Monitor (Audio/Video) out jacks are great for recording with a VCR or used to connect an external audio system for better sound reproduction.

For Audio System Connection:

- 1 Connect one end of the R(right) and L(left) AUDIO (Monitor Out) jacks on the TV to the R and L audio input jacks on your amplifier or sound system. Set the audio system's volume to a normal listening level.
- 2 Turn the TV and audio system ON. You can now adjust the sound level coming from the audio system with the VOLUME (+) or (-) button on the TV or remote control.

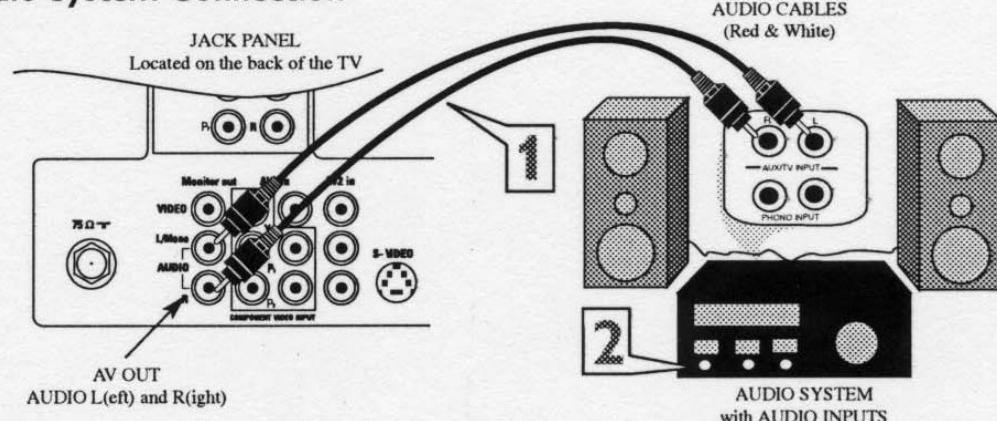
For Second VCR Connection/Recorder:

NOTE: Refer to the previous page for the proper hookup of the first VCR. Follow the instructions on how to tune to the AV 1 channel to view a pre-recorded tape.

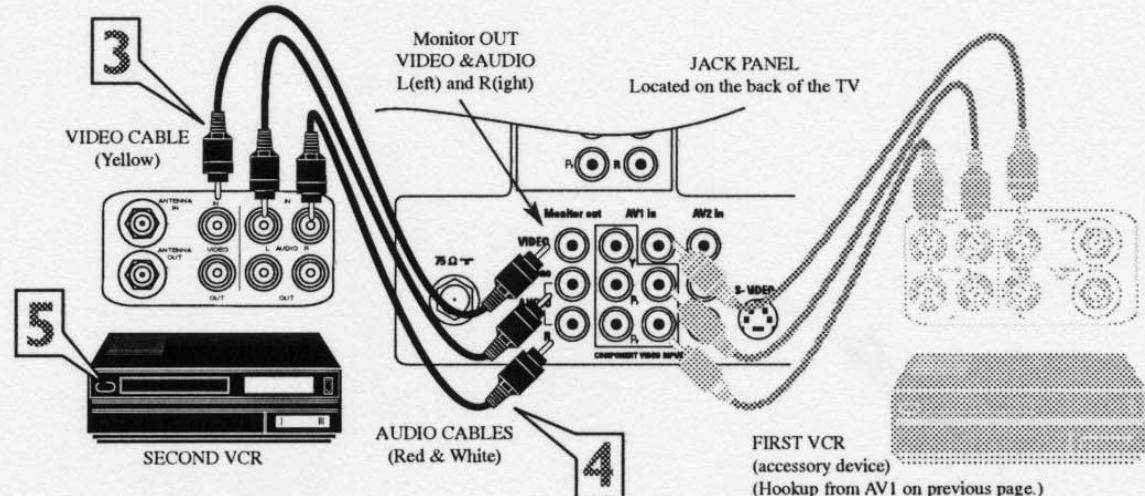
The following steps allow you to connect a second VCR to record the program while you're watching it.

- 3 Connect one end of the yellow Video Cable to the Monitor out VIDEO plug. Connect the other end to the VIDEO IN plug on the second VCR.
- 4 Connect one end of the red and white Audio cable from the Monitor out AUDIO L and R plugs on the TV to the AUDIO IN plugs on the VCR.
- 5 Turn the Second VCR ON, insert a black VHS tape and it's ready to record what's being viewed on the TV screen.

Audio System Connection



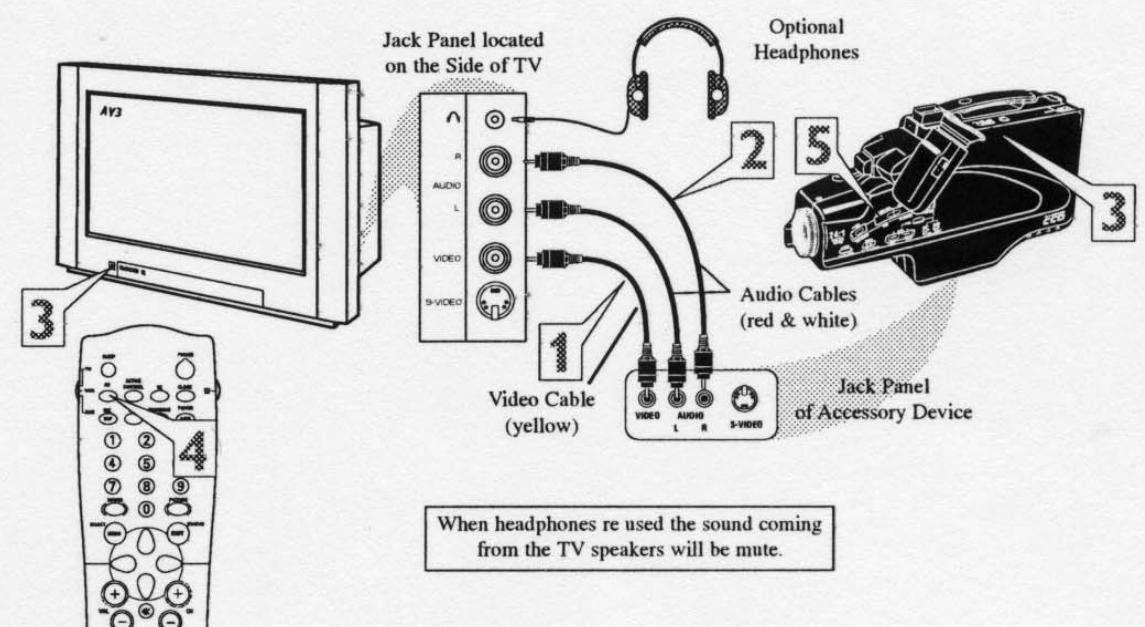
Second VCR Connection/Recorder



SIDE (AV3) AUDIO/VIDEO INPUTS

Audio and Video Side Inputs are available for a quick connection of a VCR, to playback video from an accessory device.

- 1 Connect the video (yellow) cable from the Video output on the accessory device to the Video (yellow) Input located on the SIDE of the TV.
- 2 Connect the audio cable (red and white) from the Audio Left and Right Outputs on the accessory device to the Audio Left and Right Inputs on the SIDE of the television. Turn the TV and the accessory device ON.
- 3 Press the AV button on the remote control to tune the TV to the side input jacks. "AV3" will appear on the TV screen.
- 4 Press the PLAY ▶ button on the accessory device to view playback, or to access the accessory device (camera, gaming unit, etc.).



When headphones are used the sound coming from the TV speakers will be muted.